NH-310H
EOC managed MDU Master

NH-310H

General Description

Netsys' NH-310H is the latest technological innovation of HomePNA3.1 Ethernet over coaxial managed MDU master. NH-310H is designed to connect with NH-310S HPNA3.1 MDU endpoint for MDU and MTU applications that leverage the two most popular network connections for home use: 10/100Mbps Ethernet connection and coaxial cable connection.

It is a norm that MDU and MTU are equipped with wired network that simply transfer small files and shared applications, but the need for triple play services like transferring large multimedia files such as music, video, photo and deliver high speed VOIP data are ever increasing.

This is why NH-310H is designed to be a cost effective MDU and MTU solution. With plug & play, this simply eliminates the pain in modification and high infrastructure cost. With the data transmission up to 200Mbps and up to -145dB/HZ noise floor, it meets the growing demand for high speed multimedia services. Most importantly, with MDU and MTU applications, it allows networking for any locations such as buildings, apartments, hotels, resorts, sports center and other places that need a high bandwidth network.
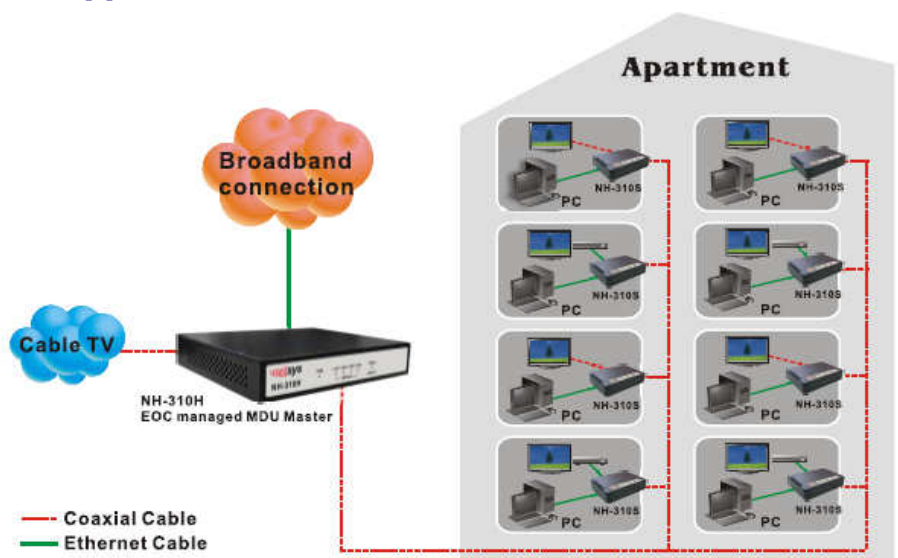
Compatible Product

NH-310S

MDU Application

Order Information: NH-310H(HPNA3.1 Ethernet over Coax MDU Master)
NH-310S(HPNA3.1 Ethernet over Coax MDU End Point)

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Compatible Product

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Key Features & Benefits

- Compliant with HomePNA3.1/HomePNA3.0 over Coaxial cable(HCNA) specifications (ITU-T G.9954)
- Compliant with IEEE802.3 10Base-T and IEEE802.3u 100Base-Tx standards
- Compliant with IEEE802.3x flow control standard
- Provides 4 x 10/100M auto-negotiation RJ-45 Ethernet ports with auto MDI/MDIX
- Provides 2 x F-type female coax connectors for HCNA and TV
- Support transmission speed up to 200Mbps over coaxial cable and -145dBm/Hz noise floor
- Support Web Management(HTTP),Telnet for Remote Management
- Support HPNA Master/Endpoints driver upgrade
- Support Monitor all Endpoints(Clients) status of Version, SNR, Rate, RX Power, Frequency, PER(Packet Error Rate),and Packet Counter
- Support Endpoint(Client) Rate Control and Port Enable/Disable
- Support HTTP and TFTP Protocol for firmware upgrade
- Support point to multipoint application
- Support VLAN function for each Endpoint(Client) isolation
- Support auto-speed from 4Mbps up to 200Mbps
- Support up to 61 Endpoints(Clients)
- Guaranteed QoS based on HomePNA3.1 parameterized QoS
- EMI certified by CE and FCC

Product Specification

Standards:	IEEE802.3 standard
	IEEE802.3u standard
	Compliant ITU-T G.9954 standard
Interfaces:	4 x RJ-45 10/100Mbps Ethernet port
	1 x F-type female coax connector for HCNA
	1 x F-type female coax connector for STB/TV
	1 x 12VDC/1A power jack
	1 x DB9 Console port
Max. Bandwidth:	Up to 200Mbps
Networking Microprocessor:	32bit MIP 4KC CPU
Memory Size:	32M bytes
Max. Noise Floor:	-145dBm/Hz
LED Indicator:	1 x Power LED
	1 x HCNA Link/Activity LED
	4 x Ethernet Link/Activity LED
SAT HCNA Transmission Spectrum:	12MHz ~ 44MHz and coexist at 47MHz
Operating Temperature:	0°C ~ 50°C (32°F ~ 122°F)
Storage Temperature:	-20°C ~ 70°C (-4°F ~ 158°F)
Humidity:	10 to 90% (non-condensing)
Dimensions:	173mm x 142mm x 30mm(Metal Case) (6.81" x 5.59" x 1.18")

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